

UNITED STATES GOVERNMENT

Memorandum

TO : Director of Communications

OCE M75-134

DATE: 7 APR 1975

FROM : Chief, Communications Engineering

SUBJECT: Monthly Narrative Summary Report - March 1975

1. OD&E advised that the launch of Spacecraft #7 is rescheduled from 30 April to 4 June 1975. The delay is associated with events that precede the launch and not with problems on the launch vehicle.

2. A final report summarizing the successful [REDACTED] Transportable Ground Control Station (TGCS) tests recently concluded between California and [REDACTED] and the RS-803 field sets was prepared. A recommendation was made to proceed with Phase II of the plan to use the TGCS for reception of OC field transmissions.

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3. Prototype UHF receivers developed for OC by OD&E were received for evaluation in the SV-8.

4. A pre-production evaluation of two of the first six production SV-8's was begun at the end of the month. The objective is to secure a production release during the first week of April.

5. A "crash" TEMPEST/EMI requirement was levied on COMSEC to evaluate the CY-5 voice/data ciphony unit which is a CY-3 modified for data input/output. If the evaluation is favorable, we would exercise a production option with the vendor, which expires 25 April, for a quantity of CY-5 ciphony units.

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6. The first SF-1 Secure Facsimile System was placed in shipping channels [REDACTED]. When notified that the SF-1 equipment has arrived, the Project Engineer, Mr. [REDACTED] will depart to make the installation.

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7. Reports from [REDACTED] indicate that the TL-4 telephone cut-out system installed at those locations are performing very well. Also, discussions with the [REDACTED] resulted in an agreement to develop a TL-4 Training Package.

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9. The KOI-16's (KW-7 Card Readers) have been released from the technical hold. The automated testing by "Fixit" of the 1450 units continues and this project is about 50% complete.

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10. Mr. [REDACTED] President of [REDACTED]

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[REDACTED], visited the [REDACTED] Crystal Lab. His visit was at our request to assist in an evaluation of our present crystal processing capabilities and to recommend any necessary changes.

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11. A concerted effort is being taken to review the aspects of installing a new cable distribution system in the Headquarters Building which can support a new secure PABX as well as high speed data and video transmissions. As part of this effort, consideration is being given to the negotiation of a 30-day study contract with [REDACTED] to determine the economic trade-offs of multi-pair cable versus a wideband coax system.

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12. Negotiations with [REDACTED] for the procurement of ARS-IV to be installed at [REDACTED] were completed on 7 March. A final price of \$540,000 includes system delivery and installation, and a maintenance training course. The ARS-III system is presently at [REDACTED] awaiting shipment to [REDACTED] via a [REDACTED] flight scheduled for 6 April 1975. Due to damaged batteries which are part of the ARS-III Uninterrupted Power System, the installation of the ARS-III system [REDACTED] has been delayed until mid-July 1975.

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13. The start of pre-acceptance tests on the DATEX systems has been delayed an estimated two weeks until some software problems have been resolved.

14. While the CDS program has encountered further delays, discussions held with representatives of [REDACTED] have resolved the technical problems which have recently plagued the program. Planning for the renovations of the Cable Secretariat continued, including the initiation of several material requisitions and work orders. It is now anticipated that the target date for the activation of the CDS system will be May 1976.

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25X1A2g 15. After a thorough review of the various customer requirements was conducted, there are indications that for the next several years, narrative traffic will be pre-dominant in [REDACTED] and that the data requirements that do exist at selected field stations could possibly be handled on the AVD channel at those stations equipped with SKYLINK terminals. The further resolution of these requirements as well as of the many issues that affect the evolution of the network has resulted in delays in the completion of the Network Improvement Plan.

25X1A6a 16. The [REDACTED] installa- 25X1A2g
25X1A6a tion was completed this month. The [REDACTED] arrived 25X1A6a
at the [REDACTED] and is being processed for
air shipment.

17. The SKYLINK installation was completed at [REDACTED] 25X1A6a
Bid packages for new SC-1 terminals (SN 40-49) were released.

18. All OC areas have submitted their FY-76 Network Equipment program requirements with the exception of [REDACTED] 25X1A
Preliminary review indicates the areas are requesting about 100 percent more than the tentative approved FY-76 budget. Much trimming will be required to lower this funding requirement to approximate the FY-75 budget levels.

19. Of the 20 SG-75B's (low noise synthesizers) received, five remain to be tested. Delivery to high priority field stations will commence soon.

25X1A2g 20. A memorandum has been written for a worldwide [REDACTED] Master Clock System. The primary timing will be derived from Loran C with cesium beam clocks as backup. Turn-around data derived clocks will be used at field stations.

[REDACTED] 25X1A9a

Distribution:

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